# Department of Defense
# INSTRUCTION

May 24, 1985
NUMBER 4200.15

USDR&E

SUBJECT: Manufacturing Technology Program

References: (a) DoD Instruction 4200.15, subject as above, July 14, 1972
(hereby canceled)
(b) DoD Directive 4005.1, "DoD Industrial Preparedness Production
Planning," July 28, 1972
(c) DoD Directive 4245.6, "Defense Production Management,"
January 19, 1984
(d) DoD Directive 5000.1, "Major System Acquisitions,"
March 29, 1982
(e) through (h), see enclosure 1

## A. REISSUANCE AND PURPOSE

This Instruction reissues reference (a) to update policy, responsibilities,
and procedures for the Manufacturing Technology Program (MTP).

## B. APPLICABILITY

This Instruction applies to the Office of the Secretary of Defense (OSD),
the Military Departments, and the Defense Logistics Agency (DLA). The term
"DoD Components," as used herein, refers to the Military Departments and the
DLA.

## C. DEFINITIONS

Terms used in this Instruction are defined in enclosure 2.

## D. POLICY

It is DoD policy to rely on private sector investment and the "free enter-
prise" system to provide the manufacturing technology necessary to produce DoD
materiel. The MTP is maintained with the objective of significantly improving
the productivity and responsiveness of the defense industrial base. MTP invest-
ments will be undertaken with DoD funds only when qualified segments of industry
cannot or will not commit private funds to establish manufacturing technology
and make it available on a timely basis in support of DoD requirements or when
the results of these investments are directed at the industrial improvement of
in-house facilities. In meeting its objective, the MTP:

1. Aids in the economical and timely production of weapons systems and
components.

2. Ensures that advanced manufacturing processes, techniques, and equipment
are available for reducing DoD materiel acquisition, maintenance, and repair
costs.

## DEFINITIONS

1. Deliverable. A tangible product that is received by the Department of Defense as a result of an MT investment.

2. Manufacturing Technology. Information that is, will, or may be used to define, monitor, or control processes and equipment used to manufacture or remanufacture DoD materiel.

3. Manufacturing Technology Program. The total of all DoD investments specifically authorized by Congress for establishing new or improved manufacturing technology.

4. MT Investment. An outlay of funds by the Department of Defense that is expected to result in the development of manufacturing technology that will provide benefits to the Department of Defense that will exceed the value of the original outlay of funds.

5. MTP Investment. An MT investment funded by the MTP.

6. MT Project. An individually managed MTP investment intended to deliver a uniquely identifiable new manufacturing technology as an end product. An MT project may be funded over 1 or more fiscal years. The activity funded in any one fiscal year is an MT task.

7. MT Sub Task. A subset of an MT task that is used when more than one contract or in-house work order is used to complete an MT task.

8. MT Task. Used synonymously with R&D task in the context of the MTP.

9. R&D Project. A fiscal subelement of a Congressional Descriptive Summary that identifies funds requested from and appropriated by the Congress for a set of MTP investments.

10. R&D Task. A subelement of an R&D project that identifies the specific activity associated with a given fiscal year of an MT project.

11. Thrust Area. A set of MT projects intended to achieve some overall, unified purpose. An MT project may be an element of more than one thrust area.

## DATA SUBMISSION INSTRUCTIONS

A. **GENERAL**

Data required by this Instruction shall be submitted on a computer tape according to current system specifications provided separately. This information shall be grouped into nine records and shall be submitted as individual files as scheduled.

B. **SCHEDULE OF SUBMISSIONS**

The initial data for MT project identification, MT project attributes, MT project funding, and planned MT projects shall be submitted annually at the time of the budget submission and shall be updated quarterly. Data for active and completed MT projects shall be submitted quarterly and shall reflect MT projects started or completed during the quarter being reported. The data for MT projects already in the active file also shall be updated each quarter during the life of the active project. Data for deliverable products and reports shall be submitted quarterly no later than 1 quarter after data for the completed MT projects are submitted. Data for implemented MT projects by the executing contractor, and other cases in which such information is available, shall be submitted quarterly and shall reflect implementations identified during the quarter being reported. Quarterly submissions are due no later than 45 days after the end of the quarter being reported.

## DATA ENTRY INSTRUCTIONS

### RECORD 1 - MT PROJECT IDENTIFICATION

MT PROJECT IDENTIFICATION

1. SERVICE CODE. Enter A for Army, N for Navy, F for Air Force, and S for Defense Logistics Agency.

2. COMMAND CODE. Enter the appropriate code from Table 1 for the major subordinate command that will manage the MT project.

3. MT PROJECT NUMBER. Enter a four-digit number that uniquely identifies the MT project within the subordinate command. This number may not be used again for that subordinate command until such time that no ambiguity will result.

4. TITLE. Enter the title of the MT project.

5. PROBLEM. Enter a description of why the investment is needed. This shall describe the specific production situation in which it is believed that the development and implementation of advanced manufacturing technology will result in less DoD resources (such as money, time, or materials) being required to produce DoD materiel than is now needed or expected to be needed.

6. SOLUTION. Enter a description of what will be accomplished to solve the problem. This statement shall describe the expected results of the MT project. This statement should not describe the step-by-step activity that will be followed to arrive at the solution. Enter the step-by-step information under the technical plan data element.

7. WORK STATE. Enter the current state of the MT project. Valid entries are PLANNED, ACTIVE, CANCELED, COMPLETED, and IMPLEMENTED. For multiple-year projects, the state should be changed from planned to active when funds from the 1st year of the project are obligated.

8. DATE OF STATE CHANGE. Enter the calendar year and month of the most recent change in work state (CYMM).

9. POINT OF CONTACT NAME. Enter the last name, first name, and middle initial, in that order of the individual who is most familiar with the technical activity associated with this MT project.

10. POINT OF CONTACT PHONE. Enter the phone number of the point of contact, including area code (999-999-9999). Use area code 008 if it is an AUTOVON number.

### RECORD 2 - MT PROJECT ATTRIBUTES

This record will be used primarily for ad hoc queries into the data base. Data elements for materiels, processes, equipment, and components shall include as many key words as necessary to ensure that a data base user can locate all MT projects in the data base on some specific subject. Some data elements may be empty.

MT PROJECT IDENTIFICATION
1.  SERVICE CODE - See RECORD 1
2.  COMMAND CODE - See RECORD 1
3.  MT PROJECT NUMBER - See RECORD 1

11. MATERIALS.  Enter key words identifying the materials involved in the MT project (for example, HI-Y steel, titanium, or super-plastic aluminum).

12. PROCESSES.  Enter key words identifying the manufacturing processes involved in the MT project (for example, welding, forging, drying, process planning, or die design).

13. EQUIPMENT.  Enter key words identifying the manufacturing equipment involved in the MT project (for example, lathe, FMS, pilot line, welder, or beam bender).

14. COMPONENTS.  Enter key words identifying the materiel components involved in the MT project (for example, traveling wave tube, circuit boards, or track shoes).

15. MATERIEL SUPPORTED.  Enter the names of the weapons systems or end items the Department of Defense is purchasing or will purchase that will benefit from the implementation of the results of the MT project (should be more than one).

16. MTAG SUBCOMMITTEE.  Enter the name of the MTAG subcommittee that should review the MT investment.  Valid entries are METALS, NONMETALS, ELECTRONICS, CAD/CAM, MUNITIONS, and INSPECTION & TEST.  (This is a repeating item - up to three entries.)

RECORD 3 - MT PROJECT FUNDING

This record shall be replicated for each fiscal year in which funds are used for the project.  The data elements shall be entered over the life cycle of the project.  For example, during the early planning phases, only the project identifier data elements, the fiscal years, and the amount planned shall be filled in.  When the project is included in a President's budget request, the source of funds data elements and the amount budgeted shall be filled in.

MT PROJECT IDENTIFICATION
1.  SERVICE CODE - See RECORD 1
2.  COMMAND CODE - See RECORD 1
3.  MT PROJECT NUMBER - See RECORD 1

17. FISCAL YEAR FUNDED.  Enter the last two characters of the fiscal year for which the following information applies (FY).

18. APPROPRIATION.  Enter the appropriation used to fund the MT project. Valid entries are R&D, PROC, and O&M.

19. PROGRAM ELEMENT NUMBER.  Enter the five-digit program element number and the DoD Component suffix.

20. R&D PROJECT NUMBER.  If R&D funds are used, enter the four-character R&D project number from the Congressional Descriptive Summary.

21. FUNDING CODE.  If procurement or operations and maintenance (O&M) funds are used, enter the code from Table 2 that identifies the appropriate funding source.  However, if research, development, test, and evaluation (RDT&E) funds are used, enter the code from Table 2 for the procurement appropriation that will be used to purchase the materiel on which the technology will be demonstrated.

22. AMOUNT PLANNED.  Enter the amount planned for funding the MT project during the fiscal year identified above.  ($ - thousands)

23. AMOUNT BUDGETED.  Enter the amount requested in the DoD budget for the project for the fiscal year identified above.  ($ - thousands)

24. AMOUNT AUTHORIZED.  Enter the amount authorized for the MT project during the fiscal year identified above.  ($ - thousands)

25. HIGHEST APPROVAL.  Enter the acronym of the highest DoD Component organization level that has authorized funding for this MT project.

26. AMOUNT OBLIGATED.  Enter the amount obligated for the MT project from the fiscal year identified above.  ($ - thousands)

27. AMOUNT EXPENDED.  Enter the amount expended on the MT project from the fiscal year identified above.  ($ - thousands)

## RECORD 4 - PLANNED MT PROJECT

This record includes information for a planned MT project.  Unless major changes occur, these data elements probably shall be entered only during the initial planning phase and then shall remain unchanged throughout the life cycle of the MT project.  However, they shall be updated as required to reflect a true description of the MT project.

MT PROJECT IDENTIFICATION
    1.  SERVICE CODE - See RECORD 1
    2.  COMMAND CODE - See RECORD 1
    3.  MT PROJECT NUMBER - See RECORD 1

28. PLANNED TOTAL COST.  Enter the planned amount required for an MT project from start to completion (the total of all FY planned amounts).  ($ - thousands)

29. PLANNED START YEAR AND MONTH.  Enter the calendar year and month in which work is planned to start if funds are released (CYMM).

30. TECHNICAL PLAN.  Enter a description of how the solution will be accomplished.  Include work checkpoints.

31. PLANNED DELIVERABLES.  Enter a description of the deliverables expected from this MT project and the calendar year and month when they are expected to be delivered (CYMM).

32. PREINVESTMENT IMPLEMENTATION PLAN.  Enter a description of where, when, and how the manufacturing technology expected to be developed is expected to be implemented in a production facility to produce DoD materiel.

33. PLANNED FINANCIAL BENEFITS.  Enter the expected value of financial benefits that are expected to be achieved from the implementation of the results of this investment.  ($ - thousands)

34. DATE OF PLANNED FINANCIAL BENEFITS.  Enter the last two digits of the 1st fiscal year when the above savings are expected to begin to be realized and the last two digits of the fiscal year when the above total will be realized (FYFY).

35. PLANNED NONFINANCIAL BENEFITS.  Enter a description of the benefits, other than financial, expected to be achieved from implementing the results of this project.

36. PLANNED DATE OF NONFINANCIAL BENEFITS.  Enter the last two digits of the 1st fiscal year when the benefits stated above are expected to begin (FY).

37. RELATED EFFORTS.  Identify other work, government or private, that has been done or is in progress in the same areas as this project.

RECORD 5 - ACTIVE MT PROJECT

This record identifies the attributes of each individual activity that is authorized by contract or in-house work order for each MT project.  This record shall be replicated as many times as necessary.

MT PROJECT IDENTIFICATION
    1.  SERVICE CODE - See RECORD 1
    2.  COMMAND CODE - See RECORD 1
    3.  MT PROJECT NUMBER - See RECORD 1

38. FISCAL YEAR FUNDED.  Enter the last two characters of the fiscal year that provides funds for the activity identified in the following data elements.  Continue to use the same fiscal year in the records for reports or products delivered in order to maintain a link with the use of these funds from this fiscal year of the project (FY).

39. MONITORING ORGANIZATION.  Enter the name of the DoD Component organization responsible for monitoring or managing the work being performed.

40. PERFORMING ORGANIZATION.  Enter the name of the DoD Component or non-DoD Component organization that is being paid for performing the work.

41. ADDRESS.  Enter the address of the performing organization.

42. CITY.  Enter the name of the city where the performing organization is located.

43. STATE.  Enter the two-letter standard abbreviation of the state in which the performing organization is located.

44. ZIP CODE.  Enter the five-digit ZIP code for the performing organization.

45. AGREEMENT TYPE.  Enter the abbreviation for the contractual method for the agreement as follows:

|          |                    |          |                    |
|----------|--------------------|----------|--------------------|
| SS       | - Sole Source      | PO       | - Project Order    |
| C        | - Competitive      | WR       | - Work Request     |
| REQN     | - Requisition      | ALLOT    | - Allotment        |
| MIPR     | - Military Interdepartmental Purchase Request |  |  |

46. AGREEMENT DATE.  Enter the calendar year and month of the agreement (CYMM).

47. AGREEMENT IDENTIFICATION.  Enter the in-house work order identifier or contract identifier that authorized funds for the work.

48. SCOPE CHANGE.  Enter any change of scope of work that is different from that entered in the technical plan data element.

49. START DATE.  Enter the calendar year and month that work was started (CYMM).

50. PLANNED COMPLETION DATE.  Enter calendar year and month originally planned to complete the work (CYMM).  This date shall not be changed after initial entry.

51. CURRENT COMPLETION DATE.  Enter the latest estimated work completion calendar year and month (CYMM).

52. DATE OF CURRENT COMPLETION DATE.  Enter the calendar year and month when Item 51 was entered (CYMM).

53. DELIVERABLES.  Enter a description of the specific deliverables expected from this activity.

54. DELIVERABLE.REVISION DATE.  Enter the calendar year and month of the latest revision to the above (CYMM).

55. CONTRACT AMOUNT OBLIGATED.  Enter the amount obligated to the contract or agreement ($ - thousands).

56. CONTRACT AMOUNT EXPENDED.  Enter the amount costed against the contract amount obligated ($ - thousands).

57. IN-HOUSE AMOUNT OBLIGATED.  Enter the amount obligated to in-house work ($ - thousands).

58. IN-HOUSE AMOUNT EXPENDED.  Enter the amount costed against the in-house amount obligated ($ - thousands).

59. WORK-ACCOMPLISHED REPORT.  Describe the significant work accomplished or milestones achieved, such as award contract agreement, receipt of planned deliverables, or termination of the investment.  This data element shall be updated quarterly.

60. WORK-ACCOMPLISHED DATE.  Enter the calendar year and month of the above work-accomplished report (CYMM).

61. SOURCE OF WORK-ACCOMPLISHED REPORT. Enter the last name, first name and organization of the individual reporting the latest work-accomplished report.

62. END-OF-CONTRACT BRIEFING DATE. Enter the calendar year and month of the planned end-of-contract briefing (if known) (CYMM).

63. END-OF-CONTRACT BRIEFING INFORMATION. Enter the name, address, and othe. instructions concerning the end-of-contract briefing (if known).

RECORD 6 - DELIVERABLE REPORTS

This record shall be replicated as many times as necessary. All of the data elements in this record shall be included in the data base. Although not required, DoD Components are encouraged to submit all data elements when they are known. However, when a report is available from the DTIC, the only mandatory data element is the DTIC AD Number. When a report is not available from the DTIC, all data elements except the DTIC AD Number shall be submitted. While the data elements are described in terms of "reports," they shall be used to include other means of documenting the results of MT projects (for example, books, handbooks, movies or videotapes).

MT PROJECT IDENTIFICATION
    1.  SERVICE CODE - See RECORD 1
    2.  COMMAND CODE - See RECORD 1
    3.  MT PROJECT NUMBER - See RECORD 1

38. FISCAL YEAR FUNDED. See RECORD 38.

64. DTIC AD NUMBER. Enter the DTIC AD number that identifies a report developed by this MT project.

65. SECURITY CLASSIFICATION. Enter the DoD security classification needed by anyone who wishes access to the report; the title may be unclassified but portions of the report may be classified. Valid entries are U, C, S, T, and R.

66. REPORT TITLE. Enter the unclassified title of the report.

67. REPORT ABSTRACT. Enter a brief description of significant aspects of a report.

68. PERIOD COVERED. Enter the time period (calendar year and month) of the report (CYMM-CYMM).

69. AUTHOR. Enter the name of the individual responsible for preparing the report (if known).

70. CONTROLLING OFFICE. Enter the name and address of the MT office responsible for the control and release of the report.

71. REPORT NUMBER. Enter any control number or identification code assigned to the report other than the DTIC AD number. Identify the organization that assigned the control number.

72. DISTRIBUTION RESTRICTIONS.  Enter any restrictions on the release or use of information contained in the report, (for example, PATENT, LICENSED USE ONLY, or GOVERNMENT USE ONLY).

73. DOCUMENT RETRIEVAL.  If the report is not available from the DTIC, enter enough information (such as name and phone number) to describe how to request a copy of the report.

RECORD 7 - DELIVERABLE PRODUCTS

The following record shall be replicated as many times as necessary for the MT project.  It shall identify products (equipment or computer software) that were developed and paid for with MT funds.  Not all data elements will be applicable to every deliverable.

MT PROJECT IDENTIFICATION
    1.  SERVICE CODE - See RECORD 1
    2.  COMMAND CODE - See RECORD 1
    3.  MT PROJECT NUMBER - See RECORD 1

38. FISCAL YEAR FUNDED.  See RECORD 38.

74. PRODUCT NOMENCLATURE.  Enter the name of the product developed by the MT project.  Illustrative examples include: laser welder, robot arm, capacitance hole probe, ultrasonic fastener crack detector, breech block step threader, single base propellent drier, production control system, track shoe die design software, track shoe rubber remover, ship propeller dimensional inspection machine, ships beam bender, and pilot line for integrated circuits.

75. PRODUCT DESCRIPTION.  Enter a description of the capabilities, utility, and special features of the product.

76. PRODUCT MODEL.  Enter the model number or model name of the product.

77. PRODUCT DELIVERY DATE.  Enter the calendar year and month when the product was delivered to the Department of Defense (CYMM).

78. PRODUCT LOCATION.  Enter the name and address of the organization where the product is located.

79. OPERATIONAL STATUS.  Enter a description of the current operational status of the product.

80. PLANNED UTILIZATION.  Enter a description of any planned use of the product.

81. PRODUCT POINT OF CONTACT.  Enter the name and phone number of an individual or organization that can provide additional information on the above data elements.  Include the calendar year and month this record was completed (CYMM).

RECORD 8 - COMPLETED MT PROJECT

This record shall be completed when the state of an MT project changes from ACTIVE to COMPLETED or to CANCELED.

MT PROJECT IDENTIFICATION
1. SERVICE CODE - See RECORD 1
2. COMMAND CODE - See RECORD 1
3. MT PROJECT NUMBER - See RECORD 1

82. TOTAL COST. Enter the total amount of DoD funds spent or expected to be spent to effect the estimated total benefits. This shall include not only the MT project final total cost but any additional DoD costs (for example, the cost to implement the results) ($ - thousands).

83. PROJECT FINAL COST. Enter the actual final total cost of the MT project; include all years of funding ($ - thousands).

84. YEARS FUNDED. Enter the last two digits of the 1st and last fiscal years in which the project was funded (FYFY). If a project is funded in only 1 year, enter that year for both values.

85. ACTUAL COMPLETION DATE. Enter the calendar year and month the technical work was completed (CYMM).

86. SUMMARY OF RESULTS. Enter a succinct description of the MT project's results.

87. COMPLETED PROJECT IMPLEMENTATION PLAN. Enter a description of where, how, and when the technology produced by the MT project is expected to be implemented in a facility to produce DoD materiel.

88. EXPECTED BENEFITS CATEGORY. Enter the anticipated area of benefits. Examples are PRODUCTION, ENVIRONMENT, and SAFETY.

89. EXPECTED FINANCIAL BENEFITS. Enter the financial savings or cost avoidance expected from implementing the results of the completed MT project ($ - thousands).

90. DATE OF EXPECTED FINANCIAL BENEFITS. Enter the last two digits of the fiscal year when the above savings are expected to begin to be realized and the last two digits of the fiscal year when the above total is expected to be realized (FYFY).

91. EXPECTED NONFINANCIAL BENEFITS. Enter a description of the nonfinancial benefits that are expected from implementing the results of the MT project.

92. DATE OF EXPECTED NONFINANCIAL BENEFITS. Enter the last two digits of the fiscal year when the above nonfinancial benefits are expected to begin (FY).

RECORD 9 - IMPLEMENTED INVESTMENTS

This record shall be replicated as many times as necessary for the MT project. It shall be completed for each known implementation of an MT project's results.

MT PROJECT IDENTIFICATION
1. SERVICE CODE - See RECORD 1
2. COMMAND CODE - See RECORD 1
3. MT PROJECT NUMBER - See RECORD 1

93. DATE IMPLEMENTED.  Enter the calendar year and month when the results of the MT project were implemented (CYMM).

94. USER NAME.  Enter the name of the facility where the results were imple mented.

95. USER ADDRESS.  Enter the address of the user.

96. USER CITY.  Enter the city where the user is located.

97. USER STATE.  Enter the two-letter standard abbreviation of the state in which the user is located.

98. USER ZIP CODE.  Enter the five-digit ZIP code of the user.

99. ACTUAL BENEFITS CATEGORY.  Enter the actual area of benefits.  Examples are PRODUCTION, ENVIRONMENT, and SAFETY.

100. ACTUAL FINANCIAL BENEFITS.  Enter the amount of the actual savings or cost avoidance realized from the implementation of the results ($ - thousands).

101. DATE OF ACTUAL FINANCIAL BENEFITS.  Enter the last two digits of the fiscal year when the financial benefits began and the last two digits of the fiscal year when the above total was realized (FYFY).

102. ACTUAL NONFINANCIAL BENEFITS.  Enter a description of the nonfinancial benefits realized from implementing the results.

103. DATE OF ACTUAL NONFINANCIAL BENEFITS.  Enter the last two digits of the 1st fiscal year when the above benefits began to be realized (FY).

## Table 1 - ACTION COMMANDS

| CODE | ACRONYM | COMMAND NAME |
|------|---------|--------------|
| | | **ARMY** |
| D | AMETA or<br>AMC | Management Engineering Training Agency<br>HQ Army Materiel Command |
| G | DESCOM | Depot Systems Command |
| H | ERADCOM | Electronics R&D Command |
| M | AMMRC | Materials and Mechanics Research Center |
| X | TMDC | Metrology Center |
| 0 | TECOM | Test and Evaluation Command |
| 1 | AVSCOM | Aviation Systems Command |
| 2 | CECOM | Communications and Electronics Command |
| 3 | MICOM | Missile Command |
| 4 | TACOM | Tank-Automotive Command |
| 5 | AMCCOM(Ammo) | Armament Munitions and Chemical Command |
| 6 | AMCCOM(Wpns) | Armament Munitions and Chemical Command |
| 7 | TROSCOM | Troop Support Command |
| | | **NAVY** |
| A | NAVAIR | Naval Air System Command |
| X | NAVELEX | Naval Electronics Systems Command |
| M | NAVMAT | Naval Material Command |
| S | NAVSEA | Naval Sea Systems Command |
| T | NAVSUP | Naval Supply Systems Command |
| | | **AIR FORCE** |
| A | AFSC/ASD | Air Force Systems Command - Aeronautical Systems Divison |
| | | **DEFENSE LOGISTICS AGENCY** |
| S | DLA | Defense Logistics Agency |

## Table 2 - FUNDING SOURCES

| Funding Code | Appropriation | Treas. Code | Program Element |
|---|---|---|---|
| | **ARMY** | | |
| A1 | Aircraft Procurement, Army | 1497[1] | 78011A |
| A2 | Missile Procurement, Army | 2597[1] | 78011A |
| A3 | Army Procurement, Tracked Combat Vehicle | 3197[1] | 78011A |
| A4 | Army Procurement, Weapons and Other Combat Vehicles | 3297[1] | 78011A |
| A5 | Procurement of Ammunition, Army | 4250[1] | 78011A |
| | Other Procurement, Army | | |
| A6 | Tactical & Support Vehicles | 5197[1] | 78011A |
| A7 | Communication and Electronics Equipment | 5297[1] | 78011A |
| A8 | Other Support Equipment | 5397[1] | 78011A |
| | **AIR FORCE** | | |
| F1 | Missile Procurement, Air Force | 3020 | 78011F |
| F2 | Other Procurement, Air Force | 3080 | 78011F |
| F3 | Aircraft Procurement, Air Force | 3010 | 78011F |
| F4 | O&M, Air Force | 3400 | |
| | **NAVY** | | |
| N1 | Aircraft Procurement, Navy | 1506 | 78011N |
| N2 | Shipbuilding and Conversion Navy | 1611 | 78011N |
| N3 | Weapons Procurement, Navy | 1507 | 78011N |
| N4 | Other Procurement, Navy | 1810 | 78011N |
| N5 | O&M, Navy | 1804 | |

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[1] These are standard study numbers (SSN) used by the Army to identify budget lines at a more detailed level than Treasury codes.

RECORD TYPE 1 - MT PROJECT IDENTIFICATION

| ELEMENT NUMBER | ELEMENT IDENTIFICATION | TYPE DATA[1] | NO. CHARS | RECORD POSITION |
|---|---|---|---|---|
| | MT Project Identification | | | |
| 1 | Service Code | A | 1 | 1 |
| 2 | Command Code | AN | 1 | 2 |
| 3 | MT Project Number | N | 4 | 3-6 |
| 4 | Title | AN | 70 | 7-76 |
| 5 | Problem | AN | 1900 | 77-1976 |
| 6 | Solution | AN | 1900 | 1977-3876 |
| 7 | Work State | A | 12 | 3877-3888 |
| 8 | Date of State Change | N | 4 | 3889-3892 |
| 9 | Point of Contact Name | AN | 30 | 3893-3922 |
| 10 | Point of Contact Phone | AN | 14 | 3923-3936 |
| | Blank | AN | 2 | 3937-3938 |

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[1]AN = Alphanumeric; N = Numeric; A = Alpha

## RECORD TYPE 2 - MT PROJECT ATTRIBUTES

| ELEMENT NUMBER | ELEMENT IDENTIFICATION | TYPE DATA[1] | NO. CHARS | RECORD POSITION |
|---|---|---|---|---|
| | MT Project Identification | | | |
| 1 | Service Code | A | 1 | 1 |
| 2 | Command Code | AN | 1 | 2 |
| 3 | MT Project Number | N | 4 | 3-6 |
| 11 | Materials | AN | 100 | 7-106 |
| 12 | Processes | AN | 100 | 107-206 |
| 13 | Equipment | AN | 100 | 207-306 |
| 14 | Components | AN | 100 | 307-406 |
| 15 | Materiel Supported | AN | 100 | 407-506 |
| 16a | MTAG Subcommittee 1 | A | 15 | 507-521 |
| 16b | MTAG Subcommittee 2 | A | 15 | 522-536 |
| 16c | MTAG Subcommittee 3 | A | 15 | 537-551 |
| | Blank | AN | 1 | 552 |

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[1]AN = Alphanumeric; N = Numeric; A = Alpha

RECORD TYPE 3 - MT PROJECT FUNDING

| ELEMENT NUMBER | ELEMENT IDENTIFICATION | TYPE DATA[1] | NO. CHARS | RECORD POSITION |
|---|---|---|---|---|
| | MT Project Identification | | | |
| 1 | Service Code | A | 1 | 1 |
| 2 | Command Code | AN | 1 | 2 |
| 3 | MT Project Number | N | 4 | 3-6 |
| 17 | Fiscal Year Funded | N | 2 | 7-8 |
| 18 | Appropriation | A | 4 | 9-12 |
| 19 | Program Element Number | AN | 6 | 13-18 |
| 20 | R&D Project Number | AN | 4 | 19-22 |
| 21 | Funding Code | N | 2 | 23-24 |
| 22 | Amount Planned | N | 12 | 25-36 |
| 23 | Amount Budgeted | N | 12 | 37-48 |
| 24 | Amount Authorized | N | 12 | 49-60 |
| 25 | Highest Approval | A | 20 | 61-80 |
| 26 | Amount Obligated | N | 12 | 81-92 |
| 27 | Amount Expended | N | 12 | 93-104 |
| | Blank | AN | 4 | 105-108 |

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[1] AN = Alphanumeric; N = Numeric; A = Alpha

## RECORD TYPE 4 - PLANNED MT PROJECT

| ELEMENT NUMBER | ELEMENT IDENTIFICATION | TYPE DATA[1] | NO. CHARS | RECORD POSITION |
|---|---|---|---|---|
| | MT Project Identification | | | |
| 1 | Service Code | A | 1 | 1 |
| 2 | Command Code | AN | 1 | 2 |
| 3 | MT Project Number | N | 4 | 3-6 |
| 28 | Planned Total Cost | N | 12 | 7-18 |
| 29 | Planned Start Date | N | 4 | 19-22 |
| 30 | Technical Plan | AN | 1900 | 23-1922 |
| 31 | Planned Deliverables | AN | 1900 | 1923-3822 |
| 32 | Preinvestment Implementation Plan | AN | 1900 | 3823-5722 |
| 33 | Planned Financial Benefits | N | 12 | 5723-5734 |
| 34 | Date of Planned Financial Benefits | N | 4 | 5735-5738 |
| 35 | Planned Nonfinancial Benefits | AN | 1500 | 5739-7238 |
| 36 | Planned Date of Nonfinancial Benefits | N | 2 | 7239-7240 |
| 37 | Related Efforts | AN | 1900 | 7241-9140 |
| | Blank | AN | 4 | 9141-9144 |

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[1]AN = Alphanumeric; N = Numeric; A = Alpha

RECORD TYPE 5 - ACTIVE MT PROJECT

| ELEMENT NUMBER | ELEMENT IDENTIFICATION | TYPE DATA[1] | NO. CHARS | RECORD POSITION |
|---|---|---|---|---|
| | MT Project Identification | | | |
| 1 | Service Code | A | 1 | 1 |
| 2 | Command Code | AN | 1 | 2 |
| 3 | MT Project Number | N | 4 | 3-6 |
| 38 | Fiscal Year Funded | N | 2 | 7-8 |
| 39 | Monitoring Organization | AN | 100 | 9-108 |
| 40 | Performing Organization | AN | 100 | 109-208 |
| 41 | Address | AN | 29 | 209-237 |
| 42 | City | A | 20 | 238-257 |
| 43 | State | A | 2 | 258-259 |
| 44 | ZIP Code | N | 5 | 260-264 |
| 45 | Agreement Type | A | 5 | 265-269 |
| 46 | Agreement Date | N | 4 | 270-273 |
| 47 | Agreement Identification | AN | 50 | 274-323 |
| 48 | Scope Change | AN | 1900 | 324-2223 |
| 49 | Start Date | N | 4 | 2224-2227 |
| 50 | Planned Completion Date | N | 4 | 2228-2231 |
| 51 | Current Completion Date | N | 4 | 2232-2235 |
| 52 | Date of Current Completion Date | N | 4 | 2236-2239 |
| 53 | Deliverables | AN | 500 | 2240-2739 |
| 54 | Deliverable Revision Date | N | 4 | 2740-2743 |
| 55 | Contract Amount Obligated | N | 12 | 2744-2755 |
| 56 | Contract Amount Expended | N | 12 | 2756-2767 |
| 57 | In-House Amount Obligated | N | 12 | 2768-2779 |
| 58 | In-House Amount Expended | N | 12 | 2780-2791 |
| 59 | Work-Accomplished Report | AN | 1900 | 2792-4691 |

| 60 | Work-Accomplished Date | N | 4 | 4692-4695 |
|----|------------------------|-----|-----|-----------|
| 61 | Source of Work-Accomplished Report | AN | 100 | 4696-4795 |
| 62 | End-of-Contract Briefing Date | N | 4 | 4796-4799 |
| 63 | End-of-Contract Briefing Information | AN | 100 | 4800-4899 |
|    | Blank | AN | 3 | 4900-4902 |

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## RECORD TYPE 6 - DELIVERABLE REPORTS

| ELEMENT NUMBER | ELEMENT IDENTIFICATION | TYPE DATA[1] | NO. CHARS | RECORD POSITION |
|---|---|---|---|---|
| | MT Project Identification | | | |
| 1 | Service Code | A | 1 | 1 |
| 2 | Command Code | AN | 1 | 2 |
| 3 | MT Project Number | N | 4 | 3-6 |
| 38 | Fiscal Year | N | 2 | 7-8 |
| 64 | DTIC AD Number | AN | 9 | 9-17 |
| 65 | Security Classification | A | 1 | 18 |
| 66 | Report Title | AN | 60 | 19-78 |
| 67 | Report Abstract | AN | 500 | 79-578 |
| 68 | Period Covered | AN | 9 | 579-587 |
| 69 | Author | AN | 30 | 588-617 |
| 70 | Controlling Office | AN | 100 | 618-717 |
| 71 | Report Number | AN | 100 | 718-817 |
| 72 | Distribution Restrictions | AN | 150 | 818-967 |
| 73 | Document Retrieval | AN | 200 | 968-1167 |
| | Blank | AN | 3 | 1168-1170 |

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## RECORD TYPE 7 - DELIVERABLE PRODUCTS

| ELEMENT NUMBER | ELEMENT IDENTIFICATION | TYPE DATA[1] | NO. CHARS | RECORD POSITION |
|---|---|---|---|---|
| | MT Project Identification | | | |
| 1 | Service Code | A | 1 | 1 |
| 2 | Command Code | AN | 1 | 2 |
| 3 | MT Project Number | N | 4 | 3-6 |
| 38 | Fiscal Year Funded | N | 2 | 7-8 |
| 74 | Product Nomenclature | AN | 100 | 9-108 |
| 75 | Product Description | AN | 500 | 109-608 |
| 76 | Product Model | AN | 100 | 609-708 |
| 77 | Product Delivery Date | N | 4 | 709-712 |
| 78 | Product Location | AN | 100 | 713-812 |
| 79 | Operational Status | AN | 500 | 813-1312 |
| 80 | Planned Utilization | AN | 1000 | 1313-2312 |
| 81 | Product Point-of-Contact | AN | 60 | 2313-2372 |
| | Blank | AN | 4 | 2373-2376 |

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## RECORD TYPE 8 - COMPLETED MT PROJECT

| ELEMENT NUMBER | ELEMENT IDENTIFICATION | TYPE DATA[1] | NO. CHARS | RECORD POSITION |
|---|---|---|---|---|
| | MT Project Identification | | | |
| 1 | Service Code | A | 1 | 1 |
| 2 | Command Code | AN | 1 | 2 |
| 3 | MT Project Number | N | 4 | 3-6 |
| 82 | Total Cost | N | 12 | 7-18 |
| 83 | Project Final Cost | N | 12 | 19-30 |
| 84 | Years Funded | N | 4 | 31-34 |
| 85 | Actual Completion Date | N | 4 | 35-38 |
| 86 | Summary of Results | AN | 500 | 39-538 |
| 87 | Completed Project Implementation Plan | AN | 1000 | 539-1538 |
| 88 | Expected Benefits Category | AN | 50 | 1539-1588 |
| 89 | Expected Financial Benefits | N | 12 | 1589-1600 |
| 90 | Date of Expected Financial Benefits | N | 4 | 1601-1604 |
| 91 | Expected Nonfinancial Benefits | AN | 1500 | 1605-3104 |
| 92 | Date of Expected Nonfinancial Benefits | N | 2 | 3105-3106 |
| | Blank | AN | 2 | 3107-3108 |

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## RECORD TYPE 9 - IMPLEMENTED INVESTMENTS

| ELEMENT NUMBER | ELEMENT IDENTIFICATION | TYPE DATA [1] | NO. CHARS | RECORD POSITION |
|---|---|---|---|---|
| | MT Project Identification | | | |
| 1 | Service Code | A | 1 | 1 |
| 2 | Command Code | AN | 1 | 2 |
| 3 | MT Project Number | N | 4 | 3-6 |
| 93 | Date Implemented | N | 4 | 7-10 |
| 94 | User Name | AN | 50 | 11-60 |
| 95 | User Address | AN | 50 | 61-110 |
| 96 | User City | A | 20 | 111-130 |
| 97 | User State | A | 2 | 131-132 |
| 98 | User ZIP Code | N | 5 | 133-137 |
| 99 | Actual Benefits Category | AN | 50 | 138-187 |
| 100 | Actual Financial Benefits | N | 12 | 188-199 |
| 101 | Date of Actual Financial Benefits | N | 4 | 200-203 |
| 102 | Actual Nonfinancial Benefits | AN | 1500 | 204-1703 |
| 103 | Date of Actual Nonfinancial Benefits | N | 2 | 1704-1705 |
| | Blank | AN | 5 | 1706-1710 |

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